Ray E.

No.1 X

SOUTH DAKOTA

QUADRANGLE LOCATION

Lucky Toss

ARunge West

(Buda-Dexter)

SCALE 1:24 000

Chord

X Green Acre No.3

x Green Acre

X Valley View

♦ x Taylor No.2

Base from U.S. Geological Survey, 1950

Resource Analysis, Building 25, Denver Federal Center, Denver, CO 80225. Wilmarth, V. R., and Gott, G. B., 1958, The Runge uranium mine, Fall River County, South Dakota: U.S. Geological Survey Trace Element Investigations Report TEI-740, p.

Alphabetic list of mines

[Deposit-type letter designations are explained in the text]

eposi Type			Location			
	Alice	Se c •	24	T7S	R2E	
C	Anthony Prospect	Sec.			R2E	
	Apple Pie	Sec.			R2E	
	B and H No.3 B and H No.5	Sec.			R3E R3E	
	Bear Lodge (?)	Sec.		T7S		
	Berit No.1	Sec.		T7S		
	Betty	Sec.		T7S		
	Blue Chip Blue Note	Sec. Sec.		T7S T7S		
	Brennon	Sec.	320 20			
	Buda-Dexter (Runge, Runge East)	Sec.		T8S	R3E	
	Carnotite Cave	Sec.		T7S		
	Clarabelle No.1 and No.2	Sec.		T7S T7S	R2E R3E	
	Clarabelle No.4	Sec.		T7S	R3E	
	Clarabelle No.5 Clarabelle No.6	Sec.	-	T7S	R3E R3E	
)	Coal Canyon	Sec.		T7S	R2E	
)	Coal Canyon No.1	Sec.			R2E	
) )	Coal Canyon No.17 Coal Canyon No.2	Sec. Sec.		T7S	R2E R2E	
)	Coal Canyon No.3	Sec.			R2E	
)	Coal Canyon No.4	Sec.		T7S	R2E	
	Crandall No.1 Dakota Flat (?)	Sec.	4	T8S	R3E	
	Diana-A	Sec. Sec.		T7S T7S	R2E R2E	
	Dogmar	Sec.		T7S	R3E	
	Eagle Eyrie	Sec.		T8S T7S	R3E	
	Edgemont 1-6 Eggshell	Sec.		T7S	R2E R3E	
	Eunice	Sec.	19	T7S	R3E	
	Flora	Sec.	19	T7S	R3E	
	Freezeout No.3-4 Gertrude	Sec. Sec.	33 19	T7S	R3E R3E	
	Get Me Rich No.1	Sec.	26	T7S	R2E	
	Green Acre No.1	Sec.	32	T7S	R3E	
	Green Acre No.3 Green Acre No.4	Sec. Sec.	33 33	T7S T7S	R3E R3E	
	Greenslipper	Sec.	19	T7S	R3E	
	Greenslipper No.2	Sec.	19	T7S	R3E	
	Greenslipper No.3	Sec.	19	T7S	R3E	
	Greenslipper No.4-6 Hay and Fay	Sec. Sec.	19 20	T7S T7S	R3E R3E	
	Helen	Sec.	19	T7S	R3E	
	Hi Pockets No.7	Sec.	21			
	Hi Pockets No.9 Holdup No.15	Sec.		T7S		
	Holdup No.17 (?)	Sec.	33	T7S		
	Hot Point	Sec.		T7S		
	Hot Point No.1 Hot Point No.3	Sec.		T7S		
	Imogene	Sec.	19	T7S	R3E	
	Jack Pine No.4 (?)	Sec.		T7S		
	Joan Kados No.3	Sec.		T7S		
	King	Sec.		T7S		
	Lazyman	Sec.		T7S		
	Little Ann Little Windy	Sec.		T7S		
	Lucky No.1	Sec.		T7S		
	Lucky Strike	Sec.		T7S		
	Lucky Toss No.2	Sec.		T7S		
	Lucy	Sec.	000000	T7S		
	Ophelia	Sec.		T7S		
	Patsy Pennywitt	Sec. Sec.		T7S		
	Pictograph	Sec.		T7S		
	Pushover	Sec.	12772			
	Ray E. Chord R.H.1A= Road Hog 1A	Sec.		T7S		
	R.H.3A= Road Hog 3A	Sec.		T7S		
	Ridge Runner No.1= R.H.1A	Sec.	020 020	T7S		
	Ridge Runner No.3= R.H.3A Ridge Runner No.4	Sec.		T7S T7S		
	Road Hog 1A	Sec.	26	T7S		
	Road Hog 3A	Sec.	10.71	T7S	1100 -12	
	Rowena Runge (Buda-Dexter, Runge East)	Sec.		T7S T8S		
	Runge East (Runge, Buda-Dexter)		6	T8S		
	Runge West	Sec.		T8S		
	Shamrock Group Skipper No.4	Sec.		T7S		
	South View No.3	Sec.		T7S		
	Taylor No.1	Sec.				
	Taylor No.2 Too Late	Sec. Sec.		T7S T8S	100	
	Trail Fraction	Sec.			R2E	
	Trail Wind	Sec.	26	T7S	R2E	
	Unnamed Unnamed	Sec.		T7S	R2E	
	Unnamed Valley View	Sec. Sec.		T7S T7S		
	Valley View No.6	Sec.	26	T7S	R2E	
	Verde Virginia C.	Sec.		T7S		
	Virginia C. Wakan	Sec. Sec.		T7S T7S	R2E R2E	
	Western Edge	Sec.	25	T7S	R2E	
	Yellow Cat No.1	Sec.			R3E	
	Yellow Cat No.3	Sec.	30	1/5	KJE	

Runge mine, Fall River County, South Dakota, by means

Geological Survey Professional Paper 400-B, p. B39-B41.

prospects of the Craven Canyon area, Fall River County,

South Dakota: U.S. Geological Survey Trace Elements

area, Fall River County, South Dakota: U.S. Geological

Cretaceous of the Black Hills: Wyoming uranium issue,

Wyoming University Contributions to Geology, v. 8, p.

, 1952b, The carnotite prospects of the Craven Canyon

Roberts, W. L., and Rapp, George, Jr., 1965, Mineralogy of

Schnabel, R. W., 1956, The geology and uranium deposits of

Shawe, D. R., and Granger, H. C., 1965, Uranium ore-rolls--

an analysis: Economic Geology, v. 60, p. 240-250.

Trusedell, D. B., Daddazio, P. L., and Martin, T. S., 1982,

National Uranium Resource Evaluation - Hot Springs

Services Section, P.O. Box 25425, Denver, CO 80225.

U.S. Bureau of Mines, 1955, Black Hills mineral atlas, South

Dakota, Part 2: U.S. Bureau of Mines Information

U.S. Bureau of Mines active computer file; data

available from U.S. Bureau of Mines, Intermountain

U.S. Geological Survey, 1986, Mineral Resources Data System

Field Operations Center, Building 20, Denver Federal

(MRDS, formerly Computer Resources Information Bank,

CRIB): U.S. Geological Survey active computer file;

data available from U.S. Geological Survey, Branch of

, 1986, Mineral Inventory Location System (MILS):

of Energy Open-File Report PGJ/F-029(82), 68 p,;

available from U.S. Geological Survey, Open-File

quadrangle, South Dakota and Nebraska: U.S. Department

Shaw, F. R., 1957, Mineralogy of the Runge Mine, South

Investigations Report TEI-690, p. 181-184.

Dakota: U.S. Geological Survey Trace Element

the southern Black Hills, South Dakota: Mines

the Black Hills: Rapid City, South Dakota School of

of a spectrographic and concentration method: U.S.

Page, L. R., and Redden, J. A., 1952a, The carnotite

Renfro, A. R., 1969, Uranium deposits in the Lower

Mines and Technology Bulletin 18, 268 p.

Memorandum Report 152, 35 p.

Survey Circular 175, 18 p.

Magazine, v. 46, p. 32-36.

Circular 7707, 208 p.

Center, Denver, CO 80225.

There are no patented mining claims in the Edgemont Northeast 7 1/2 minute quadrangle. Locations of mines and prospects were compiled from all available published and unpublished data. The locations of active and inactive mines in this quadrangle were taken from Bales and Erickson (1952), Bell and Bales (1954, 1955), Braddock (1955), Gott and Schnabel (1963), Gott, Wolcott, and Bowles (1974), Page and Redden (1952a), Roberts and Rapp (1965), Trusdell, Daddazio, and Martin (1982), U.S. Bureau of Mines (1955, 1986), and U.S. Geological Survey (1986). Also, in some instances, different sources of information gave conflicting location information for mines with the same name. Where possible, this conflict was resolved by comparing the name of the mine to adjacent patented claims, by comparing the description of the deposit to the known geology and topography of the area, or by communication with past owners of the property. In some instances, a unique location was not possible with existing information; in that event the most logical location was chosen. The location of some or many mines on this map may differ from those in present data bases such as the U.S. Bureau of Mines Mineral Inventory Location System (MILS) or the U.S. Geological Survey Mineral Resources Data System (MRDS), formerly the Computerized Resources Information Bank (CRIB). Locations of prospects in this quadrangle were taken

from Gott and Schnabel (1963). Because many quadrangles, or parts of quadrangles, have not been mapped in as much detail as other quadrangles, comparison of the density of prospects from one quadrangle to another, or even within one quadrangle, is not warranted. As an example, part of a quadrangle may be shown on the map as having more prospects than another part, but the first part may have been mapped in greater detail than the second part. Similarly, a part of a quadrangle may have many prospects that are not shown on this map because the original source of information did Geologic data for the map are from Bell and Bales (1955), Bell and others (1956), Bidgood (1973), Bowles

not show prospect pits. (1968), Bowles and others (1980), Braddock (1957), DeWitt and others (1986), Gott and Schnabel (1963), Gott, Wolcott, and Bowles (1974), Gries (1974), Hall (1955), Lang (1963), Lisenbee (1985), Myers, Hamilton, and Wilmarth (1960), Page and Redden (1952b), Renfro (1969), Schnabel (1956), Shawe and Granger (1965), Shaw (1957), and Wilmarth and Gott

## MAP OF MINES, PROSPECTS, AND CLASSIFICATION OF MINERAL DEPOSITS IN THE EDGEMONT NORTHEAST 7 1/2 MINUTE QUADRANGLE, BLACK HILLS, SOUTH DAKOTA

X B and H No.3

Holdup No. 17 (?)

Holdup No.15

Freezeout

Too Late

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards

and stratigraphic nomenclature

Kados X

No.3

Crandall